Wan Ki Chow

List of Publications by Year in Descending Order

505 papers	6,063 citations	34 h-index	56 g-index
559 ext. papers	6,950 ext. citations	3.3 avg, IF	6.25 L-index

#	Paper	IF	Citations
505	Upgrading of fire safety requirement for tall buildings in Bulgaria and proposal of implementing fire safety management under facility management. *Facilities*, **2022**, ahead-of-print,	2.2	2
504	Smoke Hazards of Tall Timber Buildings with New Products. *Encyclopedia*, **2022**, 2, 593-601		
503	Temperature variation inside a corridor-like enclosure under limited ventilation. *Tunnelling and Underground Space Technology*, **2022**, 126, 104539	5.7	0
502	Simulation of Possible Fire and Explosion Hazards of Clean Fuel Vehicles in Garages. *Sustainability*, **2021**, 13, 12537	3.6	0
501	Numerical studies on an accidental flashfire at a water fun park by FLACS software. *Thermal Science* , **2021**, 304-304	1.2	
500	Improved model for estimating sidewall effect on the fire heat release rate of horizontal cable tray. *Chemical Engineering Research and Design*, **2021**, 149, 831-838	5.5	2
499	Experimental investigation on maximum ceiling jet temperature generated by a vertically spreading cable fire. *Fire Safety Journal*, **2021**, 120, 103125	3.3	3
498	A simulation study of tenability for passengers in a railway tunnel with arson fire. *Tunnelling and Underground Space Technology*, **2021**, 108, 103679	5.7	7
497	Numerical studies on explosion hazards of vehicles using clean fuel in short vehicular tunnels. *Tunnelling and Underground Space Technology*, **2021**, 107, 103649	5.7	3
496	Observation on a fire whirl in a vertical shaft using high-speed camera and associated correlation derived. *Thermal Science*, **2021**, 25, 1001-1012	1.2	3
495	The Mystery on the Physical Conditions for Life. *Open Journal of Biophysics*, **2021**, 11, 383-396	0.6	
494	A Summary of the Homogeneous 5D Universe Creation Model: Expressed in the Dirac Second-Order Quantization Representation. *Journal of Modern Physics*, **2021**, 12, 123-138	0.5	1
493	Numerical simulation on temperature in wood crib fires. *Thermal Science*, **2021**, 25, 2621-2636	1.2	
492	Numerical studies on swirling of internal fire whirls with experimental justifications. *Building Simulation*, **2021**, 14, 1499-1509	3.9	1
491	Sustainable Smoke Extraction System for Atrium: A Numerical Study. *Sustainability*, **2021**, 13, 7406	3.6	2
490	Response to by Zavascki A.P.: Urgent need for evaluating point-of-care tests as a RT-PCR-sparing strategy for the diagnosis of Covid-19 in symptomatic patients. *Epidemiology and Infection*, **2021**, 149, e33	4.3	1
489	A discussion on implementing pooling detection tests of novel coronavirus (SARS-CoV-2) for a large population. *Epidemiology and Infection*, **2021**, 149, e17	4.3	5

488	A discussion on the minimum required number of tests in two common pooling test methods for SARS-CoV-2. *Epidemiology and Infection*, **2021**, 149, e179	4.3	0
487	A proposed two-stage quarantine containment scheme against spreading of novel coronavirus (SARS-CoV-2). *Indoor and Built Environment*, **2020**, 1420326X2096215	1.8	1
486	Numerical studies on turbulent flame propagation in premixed gas deflagration inside a tube. *Building Simulation*, **2020**, 13, 849-864	3.9	1
485	Numerical analysis of the effect of external opening on fire safety of refuge floors in tall buildings. *Indoor and Built Environment*, **2020**, 1420326X2092625	1.8	3
484	Assessing smoke toxicity of burning combustibles by four expressions for fractional effective dose. *Fire and Materials*, **2020**, 44, 804-813	1.8	3
483	Principle for the Working of the Lithium-Ion Battery. *Journal of Modern Physics*, **2020**, 11, 1743-1750	0.5	0
482	Solar Radiation, Perelman Entropy Mapping, DNA, Viruses etc.. *Open Journal of Biophysics*, **2020**, 10, 54-58	0.6	2
481	A Short Note on Containment Scheme against Spreading of Novel Coronavirus COVID-19. *Open Journal of Biophysics*, **2020**, 10, 84-87	0.6	2
480	COVID-19: A Physical Model. *Open Journal of Biophysics*, **2020**, 10, 88-95	0.6	5
479	Side Wind Effect on the Flow Behavior of the Window Plume **2020**, 103-111		
478	Fire Evacuation in a Large Railway Interchange Station **2020**, 225-239		1
477	The Mathematical Origin of Gravitational Singularities. *Journal of Modern Physics*, **2020**, 11, 1911-1917	0.5	1
476	A Creation Model from the Gell-Mann Standard Model to the Creation of Bio Cells: Based on the Assumption of Homogeneous 5D Space-Time Universe. *Journal of Modern Physics*, **2020**, 11, 1058-1074	0.5	1
475	Response to Sunjaya AF, Sunjaya AP, "Pooled Testing for Expanding COVID-19 Mass Surveillance". *Disaster Medicine and Public Health Preparedness*, **2020**, 1	2.8	4
474	Thermal radiation model for the buoyancy-controlled diffusion plumes from rectangular fire sources. *International Journal of Thermal Sciences*, **2020**, 150, 106234	4.1	4
473	Trajectories of large respiratory droplets in indoor environment: A simplified approach. *Building and Environment*, **2020**, 183, 107196	6.5	20
472	A simulation study on fire safety aspects of rock cavern accommodating high occupant load. *Tunnelling and Underground Space Technology*, **2020**, 103, 103430	5.7	3
471	Numerical Investigation on the Effect of Spatial Fuel Distribution in the Airplane on the Fireball Characteristics Generated by an Aircraft Impact. *Combustion Science and Technology*, **2020**, 1-16	1.5	

470	Simple flame height correlation for buoyancy-controlled diffusion plumes generated by rectangular sources fire with different aspect ratios. *Fuel*, **2019**, 254, 115655	7.1	13
469	Effect of heat collector plate on thermal sensitivity of sprinkler heads in large terminal Halls. *Journal of Building Engineering*, **2019**, 25, 100787	5.2	2
468	Thermal Characteristics of Vertically Spreading Cable Fires in Confined Compartments. *Fire Technology*, **2019**, 55, 1849-1875	3	10
467	Burning behavior of cable tray located on a wall with different cable arrangements. *Fire and Materials*, **2019**, 43, 64-73	1.8	10
466	A study on the effects of the slope on the critical velocity for longitudinal ventilation in tilted tunnels. *Tunnelling and Underground Space Technology*, **2019**, 89, 262-267	5.7	19
465	Experimental studies and modeling on flame velocity in turbulent deflagration in an open tube. *Chemical Engineering Research and Design*, **2019**, 129, 291-307	5.5	14
464	Compartment temperature estimation of a multiple-layer cable tray fire with different cable arrangements in a closed compartment. *Journal of Fire Sciences*, **2019**, 37, 303-319	1.5	1
463	A Quantum Representation of the Homogeneous 5D Manifold and the Perelman Mappings of 5D onto Non-Homogeneous Lorentz 4D Manifolds. *Journal of Modern Physics*, **2019**, 10, 557-575	0.5	4
462	5D Model Theory for the Creating of Life Forms. *Journal of Modern Physics*, **2019**, 10, 1548-1565	0.5	7
461	Performance evaluation on fixed water-based firefighting system in suppressing large fire in urban tunnels. *Tunnelling and Underground Space Technology*, **2019**, 84, 56-69	5.7	5
460	Experimental studies on characteristics of fire whirl in a vertical shaft. *Fire and Materials*, **2019**, 43, 229-248	1.8	2
459	Scale modeling study on flame colour in a ventilation-limited train car pool fire. *Tunnelling and Underground Space Technology*, **2019**, 85, 375-391	5.7	14
458	A study of correlation between flame height and gap width of an internal fire whirl in a vertical shaft with a single corner gap. *Indoor and Built Environment*, **2019**, 28, 34-45	1.8	3
457	Numerical studies on fire hazards of elevator evacuation in supertall buildings. *Indoor and Built Environment*, **2019**, 28, 247-263	1.8	7
456	An improved model for estimating heat release rate in horizontal cable tray fires in open space. *Journal of Fire Sciences*, **2018**, 36, 275-290	1.5	8
455	Experimental scale model study on explosion of clean refrigerant leaked in an underground plant room. *Tunnelling and Underground Space Technology*, **2018**, 78, 35-46	5.7	3
454	Modelling of heat release rate in upholstered furniture fire. *Fire and Materials*, **2018**, 42, 374-385	1.8	5
453	A study of internal fire whirl in a vertical shaft model with partially open roof. *Measurement: Journal of the International Measurement Confederation*, **2018**, 122, 141-148	4.6	2

452	Numerical Studies on Thermally-Induced Air Flow in Sloping Tunnels with Experimental Scale Modelling Justifications. *Fire Technology*, **2018**, 54, 867-892	3	14
451	Magnetic field associated with an internal fire whirl: A simple model. *Measurement: Journal of the International Measurement Confederation*, **2018**, 115, 80-86	4.6	2
450	A modified zone model on vertical cable tray fire in a confined compartment in the nuclear power plant. *Journal of Fire Sciences*, **2018**, 36, 472-493	1.5	4
449	Wind action on natural smoke exhaust in atria. *Journal of Computational Science*, **2018**, 28, 140-147	3.4	3
448	Dependence of flame height of internal fire whirl in a vertical shaft on fuel burning rate in pool fire. *Applied Thermal Engineering*, **2017**, 121, 712-720	5.8	7
447	Generation and characteristics of internal fire whirl in a shaft model with two corner slits under microgravity conditions. *Advances in Space Research*, **2017**, 59, 3058-3069	2.4	
446	Fire hazards of introducing water and ice into hot oil in open kitchen. *Journal of Fire Sciences*, **2017**, 35, 484-506	1.5	1
445	Numerical simulations on explosion of leaked liquefied petroleum gas in a garage. *Building Simulation*, **2017**, 10, 755-768	3.9	14
444	Flame propagation of premixed liquefied petroleum gas explosion in a tube. *Applied Thermal Engineering*, **2017**, 113, 891-901	5.8	22
443	A Discussion on Tall Building Fire Safety in the Asia-Oceania Regions **2017**, 61-72		2
442	Domestic Sprinkler: It Is Time to Consider Mandatory Requirement in Hong Kong **2017**, 361-366		
441	Discussion on Heat Lost Through Solid Boundaries in Modelling Atrium Fires Under Mechanical Exhaust **2017**, 105-109		
440	Fire hazards of crowded airport terminals. *International Journal of Sustainable Aviation*, **2016**, 2, 327	0.7	1
439	A study on tilted tunnel fire under natural ventilation. *Fire Safety Journal*, **2016**, 81, 44-57	3.3	60
438	Numerical study on the importance of radiative heat transfer in building energy simulation. *Numerical Heat Transfer; Part A: Applications*, **2016**, 69, 694-709	2.3	5
437	Application of Nonlinear Dynamics in Studying Flashover Fire in a Small Open Kitchen. *Journal of Applied Mathematics and Physics*, **2016**, 04, 914-924	0.3	2
436	Generation of an internal fire whirl in an open roof vertical shaft model with a single corner gap. *Journal of Fire Sciences*, **2015**, 33, 183-201	1.5	12
435	Aerodynamics simulation on density jump in a long corridor fire. *Tunnelling and Underground Space Technology*, **2015**, 50, 23-31	5.7	7

434	Numerical studies on kitchen fire hazards with multiple burning sources. *Building Simulation*, **2015**, 8, 453-463	3.9	2
433	A study on ceiling jet characteristics in an inclined tunnel. *Tunnelling and Underground Space Technology*, **2015**, 50, 32-46	5.7	35
432	Performance-based approach to determining fire safety provisions for buildings in the Asia-Oceania regions. *Building and Environment*, **2015**, 91, 127-137	6.5	40
431	Fire Hazards of Fa□de Materials for Energy Conservation under Flashover. *Energy Procedia*, **2015**, 78, 3483-3488	2.3	4
430	Mechanical behaviour of a rectangular glass panel in a fire. *Glass Technology: European Journal of Glass Science and Technology Part A*, **2015**, 56, 1-13	0.2	2
429	Characterization and thermal degradation of protective layers in high-rating fire-resistant glass. *Fire and Materials*, **2015**, 39, 26-40	1.8	7
428	Smoke movement in tilted tunnel fires with longitudinal ventilation. *Fire Safety Journal*, **2015**, 75, 14-22	3.3	95
427	Constructal design of evacuation from a three-dimensional living space. *Physica A: Statistical Mechanics and Its Applications*, **2015**, 422, 47-57	3.3	13
426	Analytical and experimental study on multiple fire sources in a kitchen. *Fire Safety Journal*, **2014**, 63, 101-112	3.3	11
425	Performance evaluation of bromofluoropropene in extinguishing liquid fuel spray fires. *Fire and Materials*, **2014**, 38, 673-682	1.8	9
424	Effects of wind, buoyancy and thermal expansion on a room fire with natural ventilation. *Building and Environment*, **2014**, 82, 420-430	6.5	7
423	Numerical studies on heat release rate in a room fire burning wood and liquid fuel. *Building Simulation*, **2014**, 7, 511-524	3.9	20
422	Assessment of radiative heat transfer characteristics of a combustion mixture in a three-dimensional enclosure using RAD-NETT (with application to a fire resistance test furnace). *International Journal of Heat and Mass Transfer*, **2014**, 68, 383-390	4.9	14
421	Numerical Simulation Study on Characteristics of Overflowing Smoke under Sprinkler Spray. *Procedia Engineering*, **2014**, 71, 182-187		
420	Fire safety strategies for existing rock caverns in Hong Kong. *Tunnelling and Underground Space Technology*, **2014**, 43, 78-87	5.7	2
419	A Realistic Radiative Heat Transfer Model for Building Energy Simulation Programs **2014**,		1
418	A study on relationship between burning rate and flame height of internal fire whirls in a vertical shaft model. *Journal of Fire Sciences*, **2014**, 32, 72-83	1.5	9
417	Determination of Fire Load and Heat Release Rate for High-rise Residential Buildings. *Procedia Engineering*, **2014**, 84, 491-497		12

416	Fire hazard assessment for a green railway station. *Fire and Materials*, **2014**, 38, 451-461	1.8	5
415	Letter to the Editor: Comment on RSET/ASET, a flawed concept for fire safety assessment by V. Babrauskas, J.M. Fleming and B.D. Russell, Fire and Materials, Vol. 34, pp. 341–355 (2010). *Fire and Materials*, **2013**, 37, 257-258	1.8	8
414	Air pumping action of a plume in a room fire. *Building Simulation*, **2013**, 6, 95-102	3.9	3
413	Common practices in fire hazard assessment for underground transport stations. *Tunnelling and Underground Space Technology*, **2013**, 38, 377-384	5.7	10
412	Thermal performance of window glass panes in an enclosure fire. *Construction and Building Materials*, **2013**, 47, 530-546	6.7	9
411	Thermal-balanced integral model for pyrolysis and ignition of wood. *Korean Journal of Chemical Engineering*, **2013**, 30, 228-234	2.8	8
410	Numerical Studies on the Interaction of Sprinkler and Smoke Layer. *Procedia Engineering*, **2013**, 62, 453-462		5
409	Experimental Data on Water Mist Suppression. *Procedia Engineering*, **2013**, 62, 868-877		9
408	Experience on Implementing Performance-based Design in Hong Kong. *Procedia Engineering*, **2013**, 62, 28-35		7
407	Constructal design of pedestrian evacuation from an area. *Journal of Applied Physics*, **2013**, 113, 034904	2.5	11
406	Proposed Fire Screening Tests on Plastic Foams with a Cone Calorimeter in Hong Kong. *Frontiers in Forests and Global Change*, **2013**, 32, 73-90	1.6	1
405	A Review on Fire-Resistant Glass with High Rating. *Journal of Applied Fire Science*, **2013**, 23, 59-76		2
404	Platform screen doors on emergency evacuation in underground railway stations. *Tunnelling and Underground Space Technology*, **2012**, 30, 1-9	5.7	30
403	Experimental study of suppressing Poly(methyl methacrylate) fires using water mists. *Fire Safety Journal*, **2012**, 47, 32-39	3.3	24
402	Air Flow through the Door Opening Induced by a Room Fire under Different Ventilation Factors. *Procedia Engineering*, **2012**, 43, 125-131		2
401	Numerical studies on density jump in a long corridor fire. *Tunnelling and Underground Space Technology*, **2012**, 32, 113-126	5.7	5
400	Constructal design for pedestrian movement in living spaces: Evacuation configurations. *Journal of Applied Physics*, **2012**, 111, 054903	2.5	13
399	Experimental justification on thermal empirical equations for post-flashover compartment fires. *Journal of Fire Sciences*, **2012**, 30, 511-534	1.5	4

398	Numerical Studies on Heat Release Rate in Room Fire on Liquid Fuel under Different Ventilation Factors. *International Journal of Chemical Engineering*, **2012**, 2012, 1-13	2.2	14
397	Possible Air Pumping Action in a Room Fire. *International Journal of Ventilation*, **2012**, 11, 79-90	1.1	3
396	A Discussion on Estimating the Heat Release Rate of Design Fires in Hong Kong. *Journal of Applied Fire Science*, **2012**, 22, 143-149		3
395	Scale Modeling Studies on Smoke Control Using Smoke Screens in a Titled Tunnel Fire. *Journal of Applied Fire Science*, **2012**, 22, 165-178		4
394	Studies on Internal Fire Whirls in a Vertical Shaft with a Single Corner Gap. *Journal of Applied Fire Science*, **2012**, 22, 179-200		1
393	Numerical Studies on Evacuation at Offices of a University Building in Hong Kong. *Journal of Applied Fire Science*, **2012**, 22, 289-302		1
392	Comparison of Legal System of Occupational Safety and Health between Hong Kong and Mainland China. *Open Journal of Safety Science and Technology*, **2012**, 02, 119-132	0.4	2
391	The Need for Fire Engineering Education in Hong Kong. *Fire Science and Technology*, **2012**, 31, 49-62	0.8	
390	The Need for Fire Engineering Education in Hong Kong. *Fire Science and Technology*, **2012**, 31, 197-212	0.8	1
389	Vertical Temperature Profile of a Buoyant Plume in an Atrium. *Experimental Heat Transfer*, **2011**, 24, 15-33	2.4	4
388	Possibility of using water mist fire suppression system in Hong Kong. *Journal of Engineering, Design and Technology*, **2011**, 9, 157-163	1.5	
387	Wind tunnel tests on compartment fires with crossflow ventilation. *Journal of Wind Engineering and Industrial Aerodynamics*, **2011**, 99, 1025-1035	3.7	28
386	Performance evaluation of water mist with bromofluoropropene in suppressing gasoline pool fires. *Applied Thermal Engineering*, **2011**, 31, 3864-3870	5.8	30
385	On the bidirectional flow across an atrium ceiling vent. *Building and Environment*, **2011**, 46, 2598-2602	6.5	13
384	Fire suppressing performance of superfine potassium bicarbonate powder. *Fire and Materials*, **2011**, 35, 353-366	1.8	33
383	Buoyancy and inertial force on oscillations of thermal-induced convective flow across a vent. *Building and Environment*, **2011**, 46, 315-323	6.5	18
382	Heat release rate calculation in oxygen consumption calorimetry. *Applied Thermal Engineering*, **2011**, 31, 304-310	5.8	27
381	A theoretical model to predict plume rise in shaft generated by growing compartment fire. *International Journal of Heat and Mass Transfer*, **2011**, 54, 910-920	4.9	35

380	Solutions to Buoyancy□Drag Equation for Dynamical Evolution of Rayleigh□Taylor and Richtmyer□Meshkov Mixing Zone. *Communications in Theoretical Physics*, **2011**, 56, 751-755	2.4	5
379	Effects of viscosity on the growth of Rayleigh□Taylor instability. *Journal of Physics A: Mathematical and Theoretical*, **2011**, 44, 275501	2	12
378	Numerical Simulations for a Typical Train Fire in China. *Modelling and Simulation in Engineering*, **2011**, 2011, 1-7	1.3	3
377	Simulating Smoke Filling in Big Halls by Computational Fluid Dynamics. *Modelling and Simulation in Engineering*, **2011**, 2011, 1-16	1.3	11
376	Experimental Study of New Gas-Solid Composite Particles in Extinguishing Cooking Oil Fires. *Journal of Fire Sciences*, **2011**, 29, 152-176	1.5	10
375	Internal Fire Whirls in a Vertical Shaft. *Journal of Fire Sciences*, **2011**, 29, 71-92	1.5	21
374	Scale modeling studies on stack effect in tall vertical shafts. *Journal of Fire Sciences*, **2011**, 29, 531-542	1.5	26
373	Internal Fire Whirls Induced by Pool Fire in a Vertical Shaft **2011**,		1
372	Fundamental Suppression Chemistry of Clean Fire Suppressing Agents: A Review. *Journal of Applied Fire Science*, **2011**, 21, 223-251		2
371	Experimental Studies on Heat Release Rate in Chinese Kitchen Fires. *Journal of Applied Fire Science*, **2011**, 21, 313-327		1
370	Adequacy of Safe Egress Design Codes for Supertall Buildings. *Journal of Disaster Research*, **2011**, 6, 568-580	0.8	
369	Assessment of Fire Performance of Typical Furniture Foams with and without Fire Retardants Using a Cone Calorimeter. *Frontiers in Forests and Global Change*, **2010**, 29, 73-94	1.6	3
368	Experimental Studies on Stability of Smoke Layer with a Sprinkler Water Spray. *Experimental Heat Transfer*, **2010**, 23, 196-216	2.4	11
367	Survey on passenger loading in the Hong Kong airport terminal. *Proceedings of the Institution of Civil Engineers: Municipal Engineer*, **2010**, 163, 107-113	0.5	0
366	Performance Evaluation of Atrium Smoke Exhaust System by Two Fire Models **2010**,		1
365	Initial Buoyancy Reduction in Exhausting Smoke With Solar Chimney Design. *Journal of Heat Transfer*, **2010**, 132,	1.8	6
364	Study of pentafluoroethane and its thermal decomposition using UV photoelectron spectroscopy and ab initio molecular orbital calculations. *Journal of Physical Chemistry A*, **2010**, 114, 1816-25	2.8	9
363	Fuel Load and Peak Heat Release Rate Correlations in Post-Flashover Room Fires. *Heat Transfer Engineering*, **2010**, 31, 250-254	1.7	5

362	Study of 2-H-heptafluoropropane and its thermal decomposition using UV photoelectron spectroscopy and ab initio molecular orbital calculations. *Journal of Physical Chemistry A*, **2010**, 114, 3540-50	2.8	10
361	Effect of varying two key parameters in simulating evacuation for subway stations in China. *Safety Science*, **2010**, 48, 445-451	5.8	39
360	Longitudinal ventilation for smoke control in a tilted tunnel by scale modeling. *Tunnelling and Underground Space Technology*, **2010**, 25, 122-128	5.7	55
359	Heat release rate of accidental fire in a supertall building residential flat. *Building and Environment*, **2010**, 45, 1632-1640	6.5	20
358	Experimental Studies on Fire Spread Over Glass Fac□ade **2010**,		2
357	Numerical Studies on Evacuation for Supertall Commercial Buildings. *Journal of Applied Fire Science*, **2010**, 20, 119-133		2
356	Onsetting Internal Fire Whirls in a Room with Ceiling Vents. *Journal of Applied Fire Science*, **2010**, 20, 149-165		2
355	Smoke Venting Effect When Discharging a Solid-Cone Water Spray. *Journal of Applied Fire Science*, **2010**, 20, 201-209		2
354	Collapse Scenarios of High-Rise Buildings Using Plastic Limit Analysis. *Advances in Civil Engineering*, **2009**, 2009, 1-9	1.3	
353	Thermal Environments Induced by a Pool Fire with and without Discharging Water Mist. *Architectural Science Review*, **2009**, 52, 176-182	2.6	
352	Experimental Investigation on Onsetting Internal Fire Whirls in a Vertical Shaft. *Journal of Fire Sciences*, **2009**, 27, 529-543	1.5	26
351	Are Two 2-Hour Fire Rated Shutters Equivalent to a 4-Hour Shutter Using ASTM E119?. *Journal of Architectural Engineering*, **2009**, 15, 67-70	1.5	1
350	Numerical studies on atrium smoke movement and control with validation by field tests. *Building and Environment*, **2009**, 44, 1150-1155	6.5	29
349	Numerical Studies on Closed Chamber Fires. *Naval Engineers Journal*, **2009**, 121, 79-89		3
348	Crowding in platform staircases of a subway station in China during rush hours. *Safety Science*, **2009** , 47, 931-938	5.8	73
347	Studies on smoke movement in stairwell induced by an adjacent compartment fire. *Applied Thermal Engineering*, **2009**, 29, 2757-2765	5.8	33
346	Oscillating behaviour of fire-induced air flow through a ceiling vent. *Applied Thermal Engineering*, **2009**, 29, 3289-3298	5.8	24
345	Emergency evacuation in places for public entertainment in Mainland China. *Building and Environment*, **2009**, 44, 169-176	6.5	9

344	Numerical simulation of pressure changes in closed chamber fires. *Building and Environment*, **2009**, 44, 1261-1275	6.5	42
343	Wind effects on smoke motion and temperature of ventilation-controlled fire in a two-vent compartment. *Building and Environment*, **2009**, 44, 2521-2526	6.5	29
342	Numerical Simulation of Emergency Evacuation of a Subway Station: A Case Study in Beijing. *Architectural Science Review*, **2009**, 52, 183-193	2.6	11
341	Determination of the Smoke Layer Interface Height for Hot Smoke Tests in Big Halls. *Journal of Fire Sciences*, **2009**, 27, 125-142	1.5	25
340	FIRE SAFETY ASPECTS OF REFUGE FLOORS IN SUPERTALL BUILDINGS WITH COMPUTATIONAL FLUID DYNAMICS. *Journal of Civil Engineering and Management*, **2009**, 15, 225-236	3	35
339	Equivalent load of reinforced concrete columns under fire. *Structural Survey*, **2009**, 27, 230-240		
338	Thermal Sensitivity of Fusible Links for Hotel Projects. *Journal of Applied Fire Science*, **2009**, 19, 123-132		1
337	Developments and Prospective Application of Gas-Solid Hybrid Composite Powders in Fire Suppression. *Journal of Applied Fire Science*, **2009**, 19, 311-323		1
336	Scheme for Determining Additional Fire Safety Provisions for Tall Buildings. *Journal of Applied Fire Science*, **2009**, 19, 341-367		2
335	Experimental and Numerical Studies on Stack Effect in a Vertical Shaft. *Journal of Applied Fire Science*, **2009**, 19, 369-400		1
334	Modeling Dispersion of Carbon Monoxide Near a Vehicular Tunnel. *Computer-Aided Civil and Infrastructure Engineering*, **2008**, 4, 217-227	8.4	2
333	Scale Modeling on Natural Smoke Filling in an Atrium. *Heat Transfer Engineering*, **2008**, 29, 76-84	1.7	14
332	Ab initio calculations on low-lying electronic states of SnCl(2)- and Franck-Condon simulation of its photodetachment spectrum. *Physical Chemistry Chemical Physics*, **2008**, 10, 834-43	3.6	4
331	Necessity of Testing Combustibles under Well-developed Fires. *Journal of Fire Sciences*, **2008**, 26, 311-329	2.5	5
330	One-Dimensional Smoke Movement in Vertical Open Shafts at Steady State: Theoretical Prediction and Experimental Verification **2008**,		2
329	Study of Water Droplet Behavior in Hot Air Layer in Fire Extinguishment. *Fire Technology*, **2008**, 44, 351-381		16
328	Flame spread over plastic materials in flashover room fires. *Construction and Building Materials*, **2008**, 22, 629-634	6.7	8
327	Thermal stresses on window glasses upon heating. *Construction and Building Materials*, **2008**, 22, 2157-2164		28

326	Studies on buoyancy-driven back-layering flow in tunnel fires. *Experimental Thermal and Fluid Science*, **2008**, 32, 1468-1483	3	173
325	Waiting time in emergency evacuation of crowded public transport terminals. *Safety Science*, **2008**, 46, 844-857	5.8	49
324	Scale Modeling on the Effect of Air Velocity on Heat Release Rate in Tunnel Fire. *Journal of Applied Fire Science*, **2008**, 18, 111-124		2
323	Discussions on Applying Dry Powders to Suppress Tall Building Fires. *Journal of Applied Fire Science*, **2008**, 18, 155-191		5
322	A Review on Determining Water Spray Droplet Characteristics by Laser Techniques. *Journal of Applied Fire Science*, **2008**, 18, 211-239		1
321	Effects of varying Smagorinsky constant on simulating post-flashover fires. *International Journal of Computational Fluid Dynamics*, **2007**, 21, 107-119	1.2	8
320	Ab initio study of low-lying electronic states of SnCl2+. *Journal of Physical Chemistry A*, **2007**, 111, 13193-98	2.8	4
319	DFT and ab initio calculations on two reactions between hydrogen atoms and the fire suppressants 2-H heptafluoropropane and CF3Br. *Journal of Computational Chemistry*, **2007**, 28, 1582-1592	3.5	12
318	Experimental study on smoke movement leading to glass damages in double-skinned façade. *Construction and Building Materials*, **2007**, 21, 556-566	6.7	34
317	Numerical simulations on thermal plumes with k-ε types of turbulence models. *Building and Environment*, **2007**, 42, 2819-2828	6.5	20
316	Modeling fire-induced smoke spread and carbon monoxide transportation in a long channel: Fire Dynamics Simulator comparisons with measured data. *Journal of Hazardous Materials*, **2007**, 140, 293-8	12.8	102
315	A discussion on potentials of saving energy use for commercial buildings in Hong Kong. *Energy*, **2007**, 32, 83-94	7.9	39
314	An investigation on spill plume development and natural filling in large full-scale atrium under retail shop fire. *International Journal of Heat and Mass Transfer*, **2007**, 50, 513-529	4.9	34
313	Application of symbolic mathematics in modelling fire for providing a safe environment. *Building and Environment*, **2007**, 42, 1936-1948	6.5	1
312	Waiting time for evacuation in crowded areas. *Building and Environment*, **2007**, 42, 3757-3761	6.5	14
311	Ab initio calculations on SnCl2 and Franck-Condon factor simulations of its Ã-X and B-X absorption and single-vibronic-level emission spectra. *Journal of Chemical Physics*, **2007**, 127, 024308	3.9	6
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